L3 ANSWER 370 OF 377 REGISTRY COPYRIGHT 2006 ACS on STN
RN 53978-99-7 REGISTRY
FS PROTEIN SEQUENCE
SQL 12
NTE cyclic
modified

type	location		description
uncommon	Hiv-3	-	-
uncommon	Hiv-7	-	-
uncommon	Hiv-11	-	-
modification	Ala-1	-	methyl<Me>
modification	Ala-5	-	methyl<Me>
modification	Ala-9	-	methyl<Me>

SEQ 1 AVXVAVXVAV XV
========== ==
HITS AT: 1-10, 3-12

REFERENCE 1

AB Spectral and theor. methods were used to study the conformations of 8 valinomycin analogs having ester groups substituted by amide and N-Me amide groups. The bracelet conformation typical of valinomycin in nonpolar media is also characteristic of the compds. with one or 3 hydroxy acids substituted by amino or methylamine acids, whereas compds. with 2 ester groups substituted by amides destabilized the bracelet conformation. Complexes of analogs have the same bracelet system of H-bonds as valinomycin, ligands being both ester and amide groups. Introduction of N-Me amide groups significantly restricts the conformational mobility of the macrocycles. Tertiary amide groups of the free compds. as well as their complexes have trans-orientation.

ACCESSION NUMBER: 93:221047 CA
TITLE: Relation between the structure and properties of cyclodepsipeptides of the valinomycin series. VII. Analogs with modified ester groups
AUTHOR(S): Ivanov, V. T.; Fonina, L. A.; Senyavina, L. B.; Ovchinnikov, Yu. A.; Chervin, I. I.; Yakovlev, G. I.
CORPORATE SOURCE: M. M. Shemyakin Inst. Bioorg. Chem., Moscow, USSR
SOURCE: Bioorganicheskaya Khimiya (1980), 6(7), 1008-25
CODEN: BIKHD7; ISSN: 0132-3423
DOCUMENT TYPE: Journal
LANGUAGE: Russian

REFERENCE 2

AB A correlation was observed between the ability of valinomycin [2001-95-8] and its analogs to increase the permeability of lipid membranes to K+ and the action of the compds. on passive K+ transport in Streptococcus faecalis and active transport in Micrococcus lysodeikticus. The results are discussed in relation to the bactericidal action of valinomycin and its analogs.

ACCESSION NUMBER: 85:172229 CA
TITLE: Ionophoric properties and the mode of antimicrobial action of valinomycin, enniatins, and their synthetic analogs
AUTHOR(S): Gorneva, G. A.; Chumburidze, T. S.; Fonina, L. A.; Evstratov, A. V.; Ryabova, I. D.; Ivanov, V. T.; Ovchinnikov, Yu. A.
CORPORATE SOURCE: M. M. Shemyakin Inst. Bioorg. Chem., Moscow, USSR
SOURCE: Bioorganicheskaya Khimiya (1976), 2(9), 1165-73

CODEN: BIKHD7; ISSN: 0132-3423
DOCUMENT TYPE: Journal
LANGUAGE: Russian

REFERENCE 3

AB Cyclo[-D-Val-L-NMeCHMeCO-Val-D-OCH(CHMe2)CO-(X)2-], cyclo[-D-Val-D-NMeCH(CHMe2)CO-(X)2-], cyclo[-[-D-Val-L-NMeCH-MeCO-Val-D-OCH(CHMe2)CO-]2-X-], cyclo[-[-D-Val-L-OCH-MeCO-Val-D-NMeCH(CHMe2)CO-]2-X-], cyclo[-D-Val-L-NMe-CHMeCO-Val-D-OCH(CHMe2)CO-]3, cyclo[-D-Val-L-OCHMe-CO-Val-D-NMeCH(CHMe2)CO-]3, cyclo[-D-Val-L-NMe CHMe-CO-Val-D-OCH(CHMe2)CO-]2, and cyclo[-D-Val-L-OCHMeCO-Val-D-NMeCH(CHMe2)CO-]2 [X = -D-Val-L-OCHMeCO-Val-D-OCH(CHMe2)CO-] were prepared by standard coupling reactions. The antimicrobial activities of these compds. were correlated with the stability consts. of their K complexes.
ACCESSION NUMBER: 81:152619 CA
TITLE: Synthesis of new analogs of valinomycin. II
AUTHOR(S): Vinogradova, E. I.; Fonina, L. A.; Ryabova, I. D.; Ivanov, V. T.
CORPORATE SOURCE: Inst. Khim. Prir. Soedin. im. Shenmyakina, Moscow, USSR
SOURCE: Khimiya Prirodnykh Soedinenii (1974), (3), 278-86
CODEN: KPSUAR; ISSN: 0023-1150
DOCUMENT TYPE: Journal
LANGUAGE: Russian

L3 ANSWER 371 OF 377 REGISTRY COPYRIGHT 2006 ACS on STN
RN 53978-98-6 REGISTRY
FS PROTEIN SEQUENCE
SQL 12
NTE cyclic
modified

type	------ location ------		description
uncommon	Hiv-1	-	-
uncommon	Lac-3	-	-
uncommon	Lac-7	-	-
uncommon	Lac-11	-	-
modification	Val-5	-	methyl<Me>
modification	Val-9	-	methyl<Me>

SEQ 1 XVXVVVXVVV XV
========== ==
HITS AT: 1-6, 7-12

REFERENCE 1

AB Spectral and theor. methods were used to study the conformations of 8 valinomycin analogs having ester groups substituted by amide and N-Me amide groups. The bracelet conformation typical of valinomycin in nonpolar media is also characteristic of the compds. with one or 3 hydroxy acids substituted by amino or methylamine acids, whereas compds. with 2 ester groups substituted by amides destabilized the bracelet conformation. Complexes of analogs have the same bracelet system of H-bonds as valinomycin, ligands being both ester and amide groups. Introduction of N-Me amide groups significantly restricts the conformational mobility of the macrocycles. Tertiary amide groups of the free compds. as well as their complexes have trans-orientation.
ACCESSION NUMBER: 93:221047 CA
TITLE: Relation between the structure and properties of cyclodepsipeptides of the valinomycin series. VII. Analogs with modified ester groups

AUTHOR(S): Ivanov, V. T.; Fonina, L. A.; Senyavina, L. B.; Ovchinnikov, Yu. A.; Chervin, I. I.; Yakovlev, G. I.
CORPORATE SOURCE: M. M. Shemyakin Inst. Bioorg. Chem., Moscow, USSR
SOURCE: Bioorganicheskaya Khimiya (1980), 6(7), 1008-25
CODEN: BIKHD7; ISSN: 0132-3423
DOCUMENT TYPE: Journal
LANGUAGE: Russian

REFERENCE 2

AB Cyclo[-D-Val-L-NMeCHMeCO-Val-D-OCH(CHMe2)CO-(X)2-], cyclo[-D-Val-D-NMeCH(CHMe2)CO-(X)2-], cyclo[-[-D-Val-L-NMeCH-MeCO-Val-D-OCH(CHMe2)CO-]2-X-], cyclo[-[-D-Val-L-OCH-MeCO-Val-D-NMeCH(CHMe2)CO-]2-X-], cyclo[-D-Val-L-NMe-CHMeCO-Val-D-OCH(CHMe2)CO-]3, cyclo[-D-Val-L-OCHMe-CO-Val-D-NMeCH(CHMe2)CO-]3, cyclo[-D-Val-L-NMe CHMe-CO-Val-D-OCH(CHMe2)CO-]2, and cyclo[-D-Val-L-OCHMeCO-Val-D-NMeCH(CHMe2)CO-]2 [X = -D-Val-L-OCHMeCO-Val-D-OCH(CHMe2)CO-] were prepared by standard coupling reactions. The antimicrobial activities of these compds. were correlated with the stability consts. of their K complexes.
ACCESSION NUMBER: 81:152619 CA
TITLE: Synthesis of new analogs of valinomycin. II
AUTHOR(S): Vinogradova, E. I.; Fonina, L. A.; Ryabova, I. D.; Ivanov, V. T.
CORPORATE SOURCE: Inst. Khim. Prir. Soedin. im. Shenmyakina, Moscow, USSR
SOURCE: Khimiya Prirodnykh Soedinenii (1974), (3), 278-86
CODEN: KPSUAR; ISSN: 0023-1150
DOCUMENT TYPE: Journal
LANGUAGE: Russian

L3 ANSWER 372 OF 377 REGISTRY COPYRIGHT 2006 ACS on STN
RN 53978-97-5 REGISTRY
FS PROTEIN SEQUENCE
SQL 12
NTE cyclic
modified (modifications unspecified)

type	location		description
uncommon	Hiv-3	-	-
uncommon	Hiv-7	-	-
uncommon	Lac-9	-	-
uncommon	Hiv-11	-	-
modification	Ala-1	-	methyl<Me>
modification	Ala-5	-	methyl<Me>

SEQ 1 AVXVAVXVXV XV
========== ==
HITS AT: 1-2, 3-12

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1

AB Spectral and theor. methods were used to study the conformations of 8 valinomycin analogs having ester groups substituted by amide and N-Me amide groups. The bracelet conformation typical of valinomycin in nonpolar media is also characteristic of the compds. with one or 3 hydroxy acids substituted by amino or methylamine acids, whereas compds. with 2 ester groups substituted by amides destabilized the bracelet conformation. Complexes of analogs have the same bracelet system of H-bonds as valinomycin, ligands being both ester and amide groups. Introduction of N-Me amide groups significantly restricts the conformational mobility of

the macrocycles. Tertiary amide groups of the free compds. as well as their complexes have trans-orientation.

ACCESSION NUMBER: 93:221047 CA
TITLE: Relation between the structure and properties of cyclodepsipeptides of the valinomycin series. VII. Analogs with modified ester groups
AUTHOR(S): Ivanov, V. T.; Fonina, L. A.; Senyavina, L. B.; Ovchinnikov, Yu. A.; Chervin, I. I.; Yakovlev, G. I.
CORPORATE SOURCE: M. M. Shemyakin Inst. Bioorg. Chem., Moscow, USSR
SOURCE: Bioorganicheskaya Khimiya (1980), 6(7), 1008-25
CODEN: BIKHD7; ISSN: 0132-3423
DOCUMENT TYPE: Journal
LANGUAGE: Russian

REFERENCE 2

AB Cyclo[-D-Val-L-NMeCHMeCO-Val-D-OCH(CHMe2)CO-(X)2-], cyclo[-D-Val-D-NMeCH(CHMe2)CO-(X)2-], cyclo[-[-D-Val-L-NMeCH-MeCO-Val-D-OCH(CHMe2)CO-]2-X-], cyclo[-[-D-Val-L-OCH-MeCO-Val-D-NMeCH(CHMe2)CO-]2-X-], cyclo[-D-Val-L-NMe-CHMeCO-Val-D-OCH(CHMe2)CO-]3, cyclo[-D-Val-L-OCHMe-CO-Val-D-NMeCH(CHMe2)CO-]3, cyclo[-D-Val-L-NMe CHMe-CO-Val-D-OCH(CHMe2)CO-]2, and cyclo[-D-Val-L-OCHMeCO-Val-D-NMeCH(CHMe2)CO-]2 [X = -D-Val-L-OCHMeCO-Val-D-OCH(CHMe2)CO-] were prepared by standard coupling reactions. The antimicrobial activities of these compds. were correlated with the stability consts. of their K complexes.

ACCESSION NUMBER: 81:152619 CA
TITLE: Synthesis of new analogs of valinomycin. II
AUTHOR(S): Vinogradova, E. I.; Fonina, L. A.; Ryabova, I. D.; Ivanov, V. T.
CORPORATE SOURCE: Inst. Khim. Prir. Soedin. im. Shenmyakina, Moscow, USSR
SOURCE: Khimiya Prirodnykh Soedinenii (1974), (3), 278-86
CODEN: KPSUAR; ISSN: 0023-1150
DOCUMENT TYPE: Journal
LANGUAGE: Russian

L3 ANSWER 373 OF 377 REGISTRY COPYRIGHT 2006 ACS on STN
RN 35608-43-6 REGISTRY
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 12

SEQ 1 FAFAFAFAFA FA
========== ==
HITS AT: 1-12

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1

AB P-(BrCH2)C6H4SiCl3 and p-(ClCH2)C6H4(CH2)3SiCl3 were prepared and bonded with porous silica or glass beads followed by hydrolysis and polymerization to give silicon resins. Pro-Gly-Phe-Ala, H-(Phe-Ala)6-OH, and Gln-Gln-Gly-Gly-Tyr(CH2Ph)-NH2 were successfully prepared on these silicon resins.

ACCESSION NUMBER: 85:143476 CA
TITLE: Pellicular silicone resins as solid supports for peptide synthesis
AUTHOR(S): Parr, Wolfgang; Grohmann, Karel
CORPORATE SOURCE: Chem. Dep., Univ. Houston, Houston, TX, USA
SOURCE: Chem. Biol. Pept., Proc. Am. Pept. Symp., 3rd (1972), 169-73. Editor(s): Meienhofer, Johannes. Ann Arbor Sci.: Ann Arbor, Mich.
CODEN: 33RCAJ
DOCUMENT TYPE: Conference

LANGUAGE: English

REFERENCE 2

GI For diagram(s), see printed CA Issue.
AB The title compds. I (n = 0, R-R2 = Cl; n = 1, R = R1 = Cl, R2 = Me; n = 1 R = Cl, R1 = R2 = Me) were prepared in 48, 58, and 63% yields, resp., via Wurtz reactions of 4-BrC6H4Br and 4-ClC6H4CH2Cl with CH2:CHCH2Br and Mg/Et2O and a Grignard reaction with HCHO followed by addition of HSiRR1R2. Pro-Gly-Phe-Ala, H-(Phe-Ala)6-OH, and Gln-Gln-Gly-Gly-Tyr-NH2 were prepared by using silicon matrices.
ACCESSION NUMBER: 82:73470 CA
TITLE: Use of novel silanes for the solid-phase peptide synthesis and the preparation of polar chemically bonded phases for liquid chromatography
AUTHOR(S): Parr, Wolfgang; Novotny, Milos
CORPORATE SOURCE: Dep. Chem., Univ. Houston, Houston, TX, USA
SOURCE: Bonded Stationary Phases Chromatogr. (1974), 173-98. Editor(s): Grushka, Eli. Ann Arbor Sci.: Ann Arbor, Mich.
CODEN: 29MUAB
DOCUMENT TYPE: Conference
LANGUAGE: English

REFERENCE 3

AB A glass matrix having 3-(α-chloro-p-tolyl)propyl surface groups was prepared by treating porous glass beads with trichloro[3-[4-(chloromethyl)phenyl]propyl]silane [35608-42-5], and was used to prepare alanine-phenylalanine dodecapeptide [35608-43-6] without failure sequences.
ACCESSION NUMBER: 77:62578 CA
TITLE: Solid-phase peptide synthesis on an inorganic matrix having organic groups on the surface
AUTHOR(S): Parr, Wolfgang; Grohmann, Karel
CORPORATE SOURCE: Chem. Dep., Univ. Houston, Houston, TX, USA
SOURCE: Angewandte Chemie, International Edition in English (1972), 11(4), 314-15
CODEN: ACIEAY; ISSN: 0570-0833
DOCUMENT TYPE: Journal
LANGUAGE: English

L3 ANSWER 374 OF 377 REGISTRY COPYRIGHT 2006 ACS on STN
RN 34020-32-1 REGISTRY
FS PROTEIN SEQUENCE
SQL 12
NTE cyclic

type	------ location ------		description
uncommon	Hiv-3	-	-
uncommon	Hiv-7	-	-
uncommon	Lac-9	-	-
uncommon	Hiv-11	-	-

SEQ 1 AVXVAVXVXV XV
========== ==
HITS AT: 1-2, 3-12

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L3 ANSWER 375 OF 377 REGISTRY COPYRIGHT 2006 ACS on STN
RN 32404-21-0 REGISTRY

FS PROTEIN SEQUENCE
SQL 12
NTE cyclic

type	------ location ------		description
uncommon	Hiv-3	-	-
uncommon	Hiv-7	-	-
uncommon	Lac-9	-	-
uncommon	Hiv-11	-	-

SEQ 1 AVXVAVXVXV XV
========== ==
HITS AT: 1-2, 3-12

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1

AB Spectral and theor. methods were used to study the conformations of 8 valinomycin analogs having ester groups substituted by amide and N-Me amide groups. The bracelet conformation typical of valinomycin in nonpolar media is also characteristic of the compds. with one or 3 hydroxy acids substituted by amino or methylamine acids, whereas compds. with 2 ester groups substituted by amides destabilized the bracelet conformation. Complexes of analogs have the same bracelet system of H-bonds as valinomycin, ligands being both ester and amide groups. Introduction of N-Me amide groups significantly restricts the conformational mobility of the macrocycles. Tertiary amide groups of the free compds. as well as their complexes have trans-orientation.

ACCESSION NUMBER: 93:221047 CA
TITLE: Relation between the structure and properties of cyclodepsipeptides of the valinomycin series. VII. Analogs with modified ester groups
AUTHOR(S): Ivanov, V. T.; Fonina, L. A.; Senyavina, L. B.; Ovchinnikov, Yu. A.; Chervin, I. I.; Yakovlev, G. I.
CORPORATE SOURCE: M. M. Shemyakin Inst. Bioorg. Chem., Moscow, USSR
SOURCE: Bioorganicheskaya Khimiya (1980), 6(7), 1008-25
CODEN: BIKHD7; ISSN: 0132-3423
DOCUMENT TYPE: Journal
LANGUAGE: Russian

REFERENCE 2

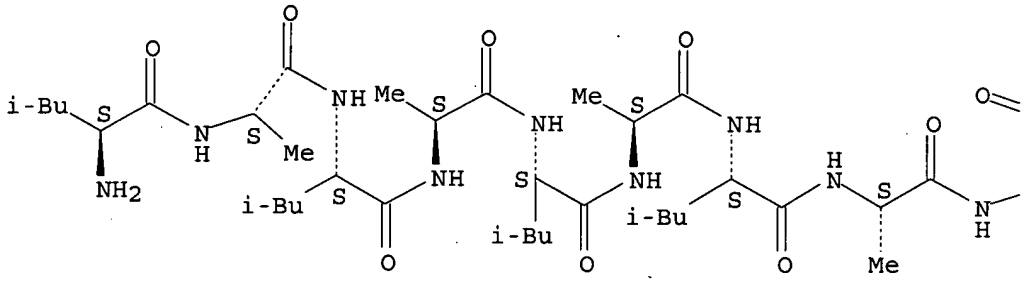
AB Tests with valinomycin (I) [2001-95-8] and 42 of its analogs showed that their antimicrobial activities were related to their ability to bind K [7440-09-7] and Na [7440-23-5]. However, this binding ability may not entirely account for their effect on bacteria and fungi.

ACCESSION NUMBER: 79:13967 CA
TITLE: Relation among the structure stability of potassium complexes, and antimicrobial activity in valinomycin analogs
AUTHOR(S): Shemyakin, M. M.; Vinogradova, E. I.; Ryabova, I. D.; Fonina, L. A.; Sanasaryan, A. A.
CORPORATE SOURCE: Inst. Khim. Prir. Soedin. im. Shemyakina, Moscow, USSR
SOURCE: Khimiya Prirodnykh Soedinenii (1973), (2), 241-8
CODEN: KPSUAR; ISSN: 0023-1150
DOCUMENT TYPE: Journal
LANGUAGE: Russian

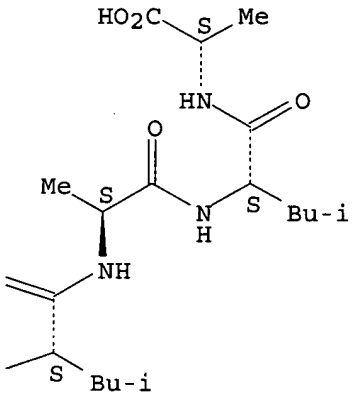
REFERENCE 3

AB Twelve analogs of valinomycin were synthesized by known methods. They

PAGE 1-A



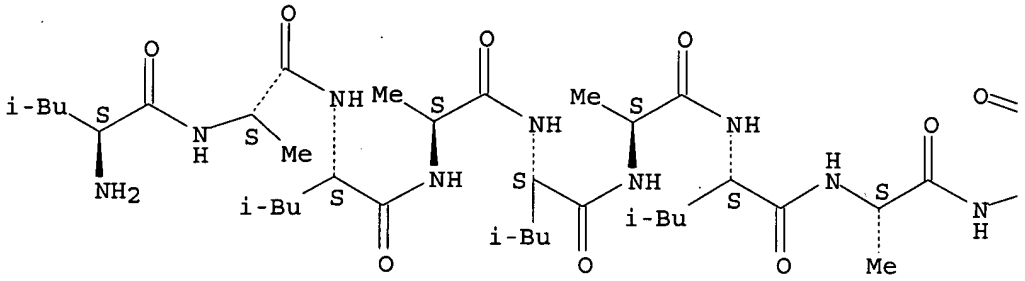
PAGE 1-B



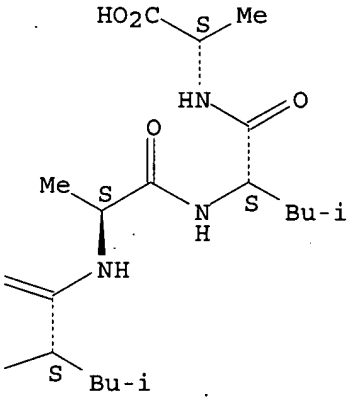
L3 ANSWER 202 OF 204 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1970:101090 HCAPLUS
DN 72:101090
TI Failure sequences in the solid phase synthesis of polypeptides
AU Bayer, Ernst; Eckstein, H.; Haegele, K.; Koenig, Wilfried A.; Bruening, W.; Hagenmaier, Hanspaul; Parr, Wolfgang
CS Dep. of Chem., Univ. of Houston, Houston, TX, USA
SO Journal of the American Chemical Society (1970), 92(6), 1735-8
CODEN: JACSAT; ISSN: 0002-7863
DT Journal
LA English
IT 26144-26-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, on solid-phase polymer, failure sequences in)
RN 26144-26-3 HCAPLUS
CN Alanine, N-[N-[N-[N-[N-[N-[N-[N-[N-(N-L-leucyl-L-alanyl)-L-leucyl]-L-alanyl]-L-leucyl]-L-alanyl]-L-leucyl]-L-alanyl]-L-leucyl]-L-alanyl]-L-leucyl]-, L- (8CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



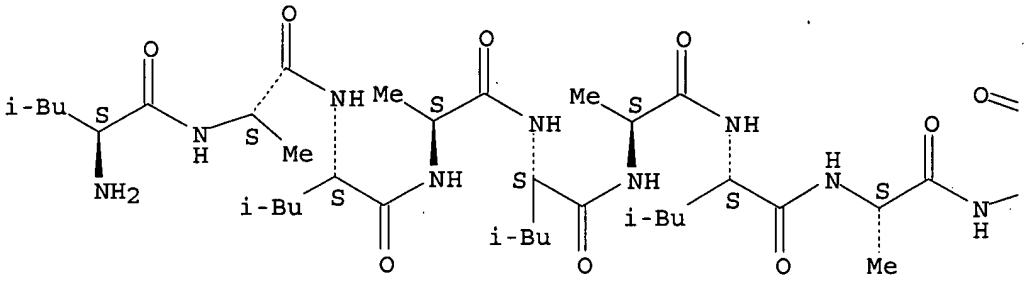
PAGE 1-B



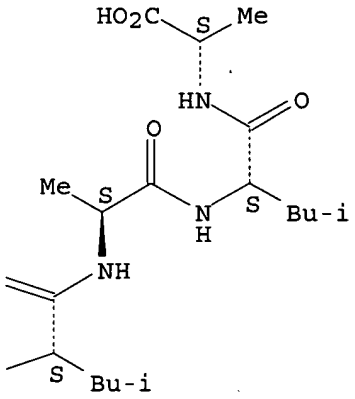
L3 ANSWER 203 OF 204 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1970:101089 HCAPLUS
DN 72:101089
TI Retention of configuration in the solid phase synthesis of peptides
AU Bayer, Ernst; Gil-Av, E.; Koenig, Wilfried A.; Nakaparksin, S.; Oro, Juan; Parr, Wolfgang
CS Dep. of Chem. and Biophys. Sci., Univ. of Houston, Houston, TX, USA
SO Journal of the American Chemical Society (1970), 92(6), 1738-40
CODEN: JACSAT; ISSN: 0002-7863
DT Journal
LA English
IT 26144-26-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, on solid-phase polymer, retention of configuration in)
RN 26144-26-3 HCAPLUS
CN Alanine, N-[N-[N-[N-[N-[N-[N-[N-[N-(N-L-leucyl-L-alanyl)-L-leucyl]-L-alanyl]-L-leucyl]-L-alanyl]-L-leucyl]-L-alanyl]-L-leucyl]-L-alanyl]-L-leucyl]-, L- (8CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



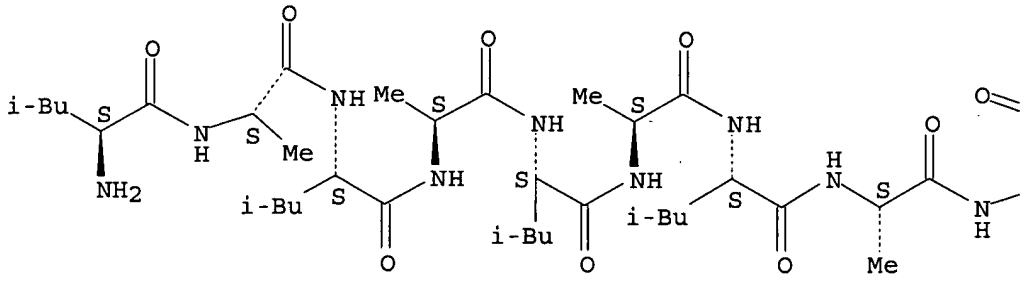
PAGE 1-B



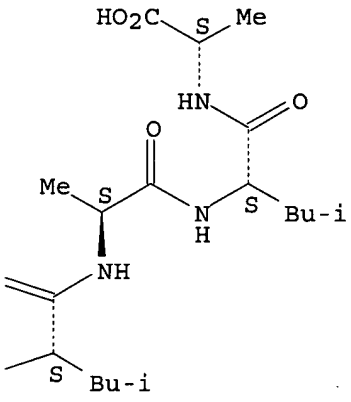
L3 ANSWER 204 OF 204 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1970:90863 HCAPLUS
DN 72:90863
TI Influence of the chain length on the coupling reaction in solid phase peptide synthesis
AU Hagenmaier, Hanspaul
CS Chem. Inst., Univ. Tuebingen, Tuebingen, Fed. Rep. Ger.
SO Tetrahedron Letters (1970), (4), 283-6
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English
IT 26144-26-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, on solid-phase polymer)
RN 26144-26-3 HCAPLUS
CN Alanine, N-[N-[N-[N-[N-[N-[N-[N-[N-(N-L-leucyl-L-alanyl)-L-leucyl]-L-alanyl]-L-leucyl]-L-alanyl]-L-leucyl]-L-alanyl]-L-leucyl]-L-alanyl]-L-leucyl]-, L- (8CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

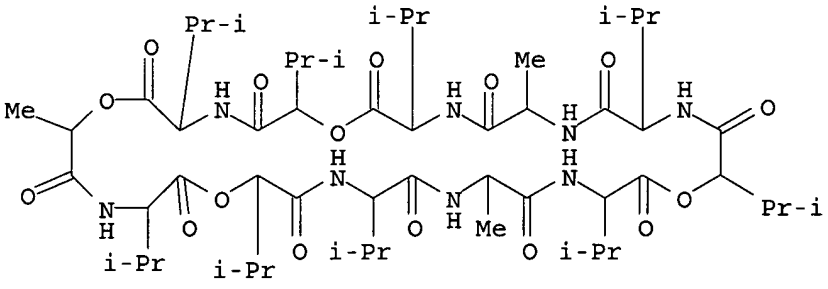


PAGE 1-B



=>

L3 ANSWER 200 OF 204 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1971:406305 HCAPLUS
DN 75:6305
TI Synthesis of valinomycin analogs with modified side chains and different numbers of amide and ester groups
AU Fonina, L. A.; Sanasaryan, A. A.; Vinogradova, E. I.
CS Inst. Khim. Prir. Soedin. im. Shemyakina, Moscow, USSR
SO Khimiya Prirodnykh Soedinenii (1971), 7(1), 69-81
CODEN: KPSUAR; ISSN: 0023-1150
DT Journal
LA Russian
IT 32404-21-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 32404-21-0 HCAPLUS
CN Valinomycin, 3-L-alanine-7-L-alanine- (8CI, 9CI) (CA INDEX NAME)



L3 ANSWER 201 OF 204 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1970:456410 HCAPLUS
DN 73:56410
TI New results in the solid phase method for the synthesis of peptides
AU Bayer, Ernst
CS Dep. of Cem., Univ. of Houston, Houston, TX, USA
SO Peptides: Chem. Biochem., Proc. Amer. Peptide Symp., 1st (1970), Meeting Date 1968, 99-112. Editor(s): Weinstein, Boris. Publisher: Marcel Dekker, Inc., New York, N. Y.
CODEN: 17XJA8
DT Conference
LA English
IT 26144-26-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, on solid-phase polymer)
RN 26144-26-3 HCAPLUS
CN Alanine, N-[N-[N-[N-[N-[N-[N-[N-[N-(N-L-leucyl-L-alanyl)-L-leucyl]-L-alanyl]-L-leucyl]-L-alanyl]-L-leucyl]-L-alanyl]-L-leucyl]-L-alanyl]-L-leucyl]-, L- (8CI) (CA INDEX NAME)

Absolute stereochemistry.

DOCUMENT TYPE: Journal
LANGUAGE: English

REFERENCE 4

AB The dodecapeptide, (Leu-Ala)6, is prepared on a chloromethylated polystyrene resin. The free amino groups and Cl- are determined after each coupling reaction. The yield of the peptide bond synthesis decreases as the chain length increases. The steric hindrance of leucine is discussed.

ACCESSION NUMBER: 72:90863 CA
TITLE: Influence of the chain length on the coupling reaction in solid phase peptide synthesis
AUTHOR(S): Hagenmaier, Hanspaul
CORPORATE SOURCE: Chem. Inst., Univ. Tuebingen, Tuebingen, Fed. Rep. Ger.
SOURCE: Tetrahedron Letters (1970), (4), 283-6
CODEN: TELEAY; ISSN: 0040-4039
DOCUMENT TYPE: Journal
LANGUAGE: English

=>

FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 12

SEQ 1 LALALALALA LA
========== ==
HITS AT: 1-12

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1

AB Merrifield's solid phase method dets. the sequence of synthetic peptides. Failure sequences are low, and polypeptides containing 60-80 amino acids can be synthesized. The purification of the end product is important and the dodecapeptides (Leu-Ala)6 and (Ala-Phe)6 were purified so that no failure sequences could be detected. No racemization of the amino acids occurred.

ACCESSION NUMBER: 73:56410 CA
TITLE: New results in the solid phase method for the synthesis of peptides
AUTHOR(S): Bayer, Ernst
CORPORATE SOURCE: Dep. of Cem., Univ. of Houston, Houston, TX, USA
SOURCE: Peptides: Chem. Biochem., Proc. Amer. Peptide Symp., 1st (1970), Meeting Date 1968, 99-112. Editor(s): Weinstein, Boris. Marcel Dekker, Inc.: New York, N. Y.
CODEN: 17XJA8
DOCUMENT TYPE: Conference
LANGUAGE: English

REFERENCE 2

AB Failure sequences occur during solid phase synthesis of polypeptides, but their number is considerably decreased by acetylation of the amino groups which do not react, or by the use of specially prepared resin-coated glass beads.

ACCESSION NUMBER: 72:101090 CA
TITLE: Failure sequences in the solid phase synthesis of polypeptides
AUTHOR(S): Bayer, Ernst; Eckstein, H.; Haegele, K.; Koenig, Wilfried A.; Bruening, W.; Hagenmaier, Hanspaul; Parr, Wolfgang
CORPORATE SOURCE: Dep. of Chem., Univ. of Houston, Houston, TX, USA
SOURCE: Journal of the American Chemical Society (1970), 92(6), 1735-8
CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: English

REFERENCE 3

AB Amino acid enantiomers can be resolved by the use of optically active stationary phases in a gas chromatographic system. This technique allowed the study of racemization in the solid phase synthesis of polypeptides as almost complete retention of configuration is obtained.

ACCESSION NUMBER: 72:101089 CA
TITLE: Retention of configuration in the solid phase synthesis of peptides
AUTHOR(S): Bayer, Ernst; Gil-Av, E.; Koenig, Wilfried A.; Nakaparksin, S.; Oro, Juan; Parr, Wolfgang
CORPORATE SOURCE: Dep. of Chem. and Biophys. Sci., Univ. of Houston, Houston, TX, USA
SOURCE: Journal of the American Chemical Society (1970), 92(6), 1738-40
CODEN: JACSAT; ISSN: 0002-7863